RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/811,028A

Source: TWO

Date Processed by STIC: 10/22/04

ENTERED

IFWO

RAW SEQUENCE LISTING   DATE: 10/22/2004
PATENT APPLICATION: US/10/811,028A   TIME: 10:45:37

Input Set : A:\-24-1.app
Output Set: N:\CRF4\10222004\J811028A.raw

```
 3 <110> APPLICANT: Bennett, Michael
 4        Chen, Yen-Ju
 5        Genteric, Inc.
 7 <120> TITLE OF INVENTION: Methods of Treating Xerostomia and Xerophthalmia
 9 <130> FILE REFERENCE: 020714-002410US
11 <140> CURRENT APPLICATION NUMBER: US 10/811,028A
12 <141> CURRENT FILING DATE: 2004-03-25
14 <150> PRIOR APPLICATION NUMBER: US 60/458,793
15 <151> PRIOR FILING DATE: 2003-03-26
17 <160> NUMBER OF SEQ ID NOS: 11
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 4332
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence:pMB1-MnSOD
28        plasmid expression vector
30 <220> FEATURE:
31 <221> NAME/KEY: modified_base
32 <222> LOCATION: (1979)
33 <223> OTHER INFORMATION: n = g, a, c or t
35 <400> SEQUENCE: 1
36 cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat 60
37 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg gccagtgaat 120
38 tgtaatacga ctcactatag ggcgaattgg gtactggcca cagagcttgg cccattgcat 180
39 acgttgtatc catatcataa tatgtacatt tatattggct catgtccaac attaccgcca 240
40 tgttgacatt gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat 300
41 agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg 360
42 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 420
43 gggactttcc attgacgtca atgggtggag tatttacggt aaactgccca cttggcagta 480
44 catcaagtgt atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc 540
45 gcctggcatt atgcccagta catgacctta tgggactttc ctacttggca gtacatctac 600
46 gtattagtca tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga 660
47 tagcggtttg actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg 720
48 ttttggcacc aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg 780
49 caaatgggcg gtaggcgtgt acggtgggag gtctatataa gcagagctcg tttagtgaac 840
50 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 900
51 cgatccagcc tgactctagc ctagctctga agttggtggt gaggccctgg gcaggttggt 960
52 atcaaggtta caagacaggt ttaaggagac caatagaaac tgggcatgtg agacagaga 1020
53 agactcttgg gtttctgata ggcactgact ctctctgcct attggtctat tttcccaccc 1080
54 ttaggctgct ggtctgagcc taggagatct ctcgaggtcg acggtatcga taagcttgat 1140
55 atcgaattcc gggcggcgca ggagcggcac tcgtggctgt ggtggcttcg gcagcggctt 1200
```

RAW SEQUENCE LISTING   DATE: 10/22/2004
PATENT APPLICATION: **US/10/811,028A**   TIME: 10:45:37

Input Set : **A:\-24-1.app**
Output Set: **N:\CRF4\10222004\J811028A.raw**

```
       56 cagcagatcg gcggcatcag cggtagcacc agcactagca gcatgttgag ccgggcagtg 1260
       57 tgcggcacca gcaggcagct ggctccggtt ttggggtatc tgggctccag gcagaagcac 1320
       58 agcctccccg acctgcccta cgactacggc gccctggaac ctcacatcaa cgcgcagatc 1380
       59 atgcagctgc accacagcaa gcaccacgcg gcctacgtga acaacctgaa cgtcaccgag 1440
       60 gagaagtacc aggaggcgtt ggccaaggga gatgttacag cccagatagc tcttcagcct 1500
       61 gcactgaagt tcaatggtgg tggtcatatc aatcatagca ttttctggac aaacctcagc 1560
       62 cctaacggtg gtggagaacc caaaggggag ttgctggaag ccatcaaacg tgactttggt 1620
       63 tcctttgaca agtttaagga gaagctgacg gctgcatctg ttggtgtcca aggctcaggt 1680
       64 tggggttggc ttggtttcaa taaggaacgg ggacacttac aaattgctgc ttgtccaaat 1740
       65 caggatccac tgcaaggaac aacaggcctt attccactgc tggggattga tgtgtgggag 1800
       66 cacgcttact accttcagta taaaaatgtc aggcctgatt atctaaaagc tatttggaat 1860
       67 gtaatcaact ggggagaatg taactgaaag atacatggct tgcaaaaagt aaaccacgat 1920
W--> 68 cgttatgctg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaana 1980
       69 aaaaaacgga attccctgca gcccggggga tccactagtt ctagagcggc cgccaccgcg 2040
       70 gtggagctcc acaactagaa tgcagtgaaa aaaatgcttt atttgtgaaa tttgtgatgc 2100
       71 tattgctttta tttgtaacca ttataagctg caataaacaa gttaacaaca attgcattca 2160
       72 ttttatgttt caggttcagg gggaggtgtg ggaggttttt taaagccaca gctccagctt 2220
       73 ttgttccctt tagtgagggt taatttcgag cttggcgtaa tcatggtcat agctgtttcc 2280
       74 tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg 2340
       75 taaagcctgg ggtgcctaat gagtgagcta actcacatta attgcgttgc gctcactgcc 2400
       76 cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg 2460
       77 gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc 2520
       78 ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag gcggtaatac ggttatccac 2580
       79 agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa 2640
       80 ccgtaaaaag gccgcgttgc tggcgttttt ccataggctc cgcccccctg acgagcatca 2700
       81 caaaaatcga cgctcaagtc agaggtggcg aaacccgaca ggactataaa gataccaggc 2760
       82 gtttcccccт ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata 2820
       83 cctgtccgcc tttctccctt cgggaagcgt ggcgctttct caatgctcac gctgtaggta 2880
       84 tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac ccccegttca 2940
       85 gcccgaccgc tgcgccttat ccggtaacta tcgtcttgag tccaacccgg taagacacga 3000
       86 cttatcgcca ctggcagcag ccactggtaa caggattagc agagcgaggt atgtaggcgg 3060
       87 tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg 3120
       88 tatctgcgct ctgctgaagc cagttacctt cggaaaaaga gttggtagct cttgatccgg 3180
       89 caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag 3240
       90 aaaaaaagga tctcaagaag atcctttgat cttttctacg gggtctgacg ctcagtggaa 3300
       91 cgaaaactca cgttaaggga ttttggtcat gagcggatac atatttgaat gtatttagaa 3360
       92 aaataaacaa ataggggttc cgcgcacatt ccccgaaaa gtgccacctg tatgcggtgt 3420
       93 gaaataccgc acagatgcgt aaggagaaaa taccgcatca ggaaattgta agcgttaata 3480
       94 attcagaaga actcgtcaag aaggcgatag aaggcgatgc gctgcgaatc gggagcggcg 3540
       95 ataccgtaaa gcacgaggaa gcggtcagcc cattcgccgc caagctcttc agcaatatca 3600
       96 cgggtagcca acgctatgtc ctgatagcgg tccgccacac ccagccggcc acagtcgatg 3660
       97 aatccagaaa agcggccatt ttccaccatg atattcggca agcaggcatc gccatgggtc 3720
       98 acgacgagat cctcgccgtc gggcatgctc gccttgagcc tggcgaacag ttcggctggc 3780
       99 gcgagcccct gatgctcttc gtccagatca tcctgatcga caagaccggc ttccatccga 3840
      100 gtacgtgctc gctcgatgcg atgtttcgct tggtggtcga atgggcaggt agccggatca 3900
      101 agcgtatgca gccgccgcat tgcatcagcc atgatggata ctttctcggc aggagcaagg 3960
      102 tgagatgaca ggagatcctg ccccggcact cgcccaata gcagccagtc ccttcccgct 4020
      103 tcagtgacaa cgtcgagcac agctgcgcaa ggaacgcccg tcgtggccag ccacgatagc 4080
      104 cgcgctgcct cgtcttgcag ttcattcagg gcaccggaca ggtcggtctt gacaaaaaga 4140
```

RAW SEQUENCE LISTING   DATE: 10/22/2004
PATENT APPLICATION: **US/10/811,028A**   TIME: 10:45:37

Input Set : **A:\-24-1.app**
Output Set: **N:\CRF4\10222004\J811028A.raw**

```
105 accgggcgcc cctgcgctga cagccggaac acggcggcat cagagcagcc gattgtctgt 4200
106 tgtgcccagt catagccgaa tagcctctcc acccaagcgg ccggagaacc tgcgtgcaat 4260
107 ccatcttgtt caatcatgcg aaacgatcct catcctgtct cttgatcaga gcttgatccc 4320
108 ctgcgccatc ag                                                    4332
111 <210> SEQ ID NO: 2
112 <211> LENGTH: 4293
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence:pMB1-HAMnSOD
118       plasmid expression vector
120 <220> FEATURE:
121 <221> NAME/KEY: modified_base
122 <222> LOCATION: (1940)
123 <223> OTHER INFORMATION: n = g, a, c or t
125 <400> SEQUENCE: 2
126 cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat 60
127 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg gccagtgaat 120
128 tgtaatacga ctcactatag ggcgaattgg gtactggcca cagagcttgg cccattgcat 180
129 acgttgtatc catatcataa tatgtacatt tatattggct catgtccaac attaccgcca 240
130 tgttgacatt gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat 300
131 agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg 360
132 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 420
133 gggactttcc attgacgtca atgggtggag tatttacggt aaactgccca cttggcagta 480
134 catcaagtgt atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc 540
135 gcctggcatt atgcccagta catgacctta tgggactttc ctacttggca gtacatctac 600
136 gtattagtca tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga 660
137 tagcggtttg actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg 720
138 ttttggcacc aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg 780
139 caaatgggcg gtaggcgtgt acggtgggag gtctatataa gcagagctcg tttagtgaac 840
140 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 900
141 cgatccagcc tgactctagc ctagctctga agttggtggt gaggccctgg gcaggttggt 960
142 atcaaggtta caagacaggt ttaaggagac caatagaaac tgggcatgtg gagacagaga 1020
143 agactcttgg gtttctgata ggcactgact ctctctgcct attggtctat tttcccaccc 1080
144 ttaggctgct ggtctgagcc taggagatct ctcgaggtcg acggtatcga taagcttgat 1140
145 aattccacca tggcttctag cccttatgac gtgcctgact atgccagttt aggaggacct 1200
146 tctatgttga gccgggcagt gtgcggcacc agcaggcagc tggctccggt tttggggtat 1260
147 ctgggctcca ggcagaagca cagcctcccc gacctgccct acgactacgg cgccctggaa 1320
148 cctcacatca acgcgcagat catgcagctg caccacagca agcaccacgc ggcctacgtg 1380
149 aacaacctga acgtcaccga ggagaagtac caggaggcgt tggccaaggg agatgttaca 1440
150 gcccagatag ctcttcagcc tgcactgaag ttcaatggtg gtggtcatat caatcatagc 1500
151 attttctgga caaacctcag ccctaacggt ggtggagaac ccaaagggga gttgctggaa 1560
152 gccatcaaac gtgactttgg ttcctttgac aagtttaagg agaagctgac ggctgcatct 1620
153 gttggtgtcc aaggctcagg ttggggttgg cttggtttca ataaggaacg gggacactta 1680
154 caaattgctg cttgtccaaa tcaggatcca ctgcaaggaa caacaggcct tattccactg 1740
155 ctggggattg atgtgtggga gcacgcttac taccttcagt ataaaaatgt caggcctgat 1800
156 tatctaaaag ctatttggaa tgtaatcaac tggggagaat gtaactgaaa gatacatggc 1860
157 ttgcaaaaag taaaccacga tcgttatgct ggaaaaaaaa aaaaaaaaaa aaaaaaaaa 1920
W--> 158 aaaaaaaaaa aaaaaaaaan aaaaaacgg aattccctgc agcccggggg atccactagt 1980
```

RAW SEQUENCE LISTING   DATE: 10/22/2004
PATENT APPLICATION: US/10/811,028A   TIME: 10:45:37

Input Set : A:\-24-1.app
Output Set: N:\CRF4\10222004\J811028A.raw

```
159 tctagagcgg ccgccaccgc ggtggagctc cacaactaga atgcagtgaa aaaaatgctt 2040
160 tatttgtgaa atttgtgatg ctattgcttt atttgtaacc attataagct gcaataaaca 2100
161 agttaacaac aattgcattc attttatgtt tcaggttcag ggggaggtgt gggaggtttt 2160
162 ttaaagccac agctccagct tttgttccct ttagtgaggg ttaatttcga gcttggcgta 2220
163 atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat 2280
164 acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt 2340
165 aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta 2400
166 atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc 2460
167 gctcactgac tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa 2520
168 ggcggtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa 2580
169 aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct 2640
170 ccgcccccct gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac 2700
171 aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc 2760
172 gaccctgccg cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgctttc 2820
173 tcaatgctca cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg 2880
174 tgtgcacgaa ccccccgttc agcccgaccg ctgcgcctta tccggtaact atcgtcttga 2940
175 gtccaacccg gtaagacacg acttatcgcc actggcagca gccactggta acaggattag 3000
176 cagagcgagg tatgtaggcg gtgctacaga gttcttgaag tggtggccta actacggcta 3060
177 cactagaagg acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag 3120
178 agttggtagc tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg 3180
179 caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac 3240
180 ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtca tgagcggata 3300
181 catatttgaa tgtatttaga aaaataaaca aataggggtt ccgcgcacat ttccccgaaa 3360
182 agtgccacct gtatgcggtg tgaaataccg cacagatgcg taaggagaaa ataccgcatc 3420
183 aggaaattgt aagcgttaat aattcagaag aactcgtcaa gaaggcgata gaaggcgatg 3480
184 cgctgcgaat cgggagcggc gataccgtaa agcacgagga agcggtcagc ccattcgccg 3540
185 ccaagctctt cagcaatatc acgggtagcc aacgctatgt cctgatagcg gtccgccaca 3600
186 cccagccggc cacagtcgat gaatccagaa aagcggccat tttccaccat gatattcggc 3660
187 aagcaggcat cgccatgggt cacgacgaga tcctcgccgt cgggcatgct cgccttgagc 3720
188 ctggcgaaca gttcggctgg cgcgagcccc tgatgctctt cgtccagatc atcctgatcg 3780
189 acaagaccgg cttccatccg agtacgtgct cgctcgatgc gatgtttcgc ttggtggtcg 3840
190 aatgggcagg tagccggatc aagcgtatgc agccgccgca ttgcatcagc catgatggat 3900
191 actttctcgg caggagcaag gtgagatgac aggagatcct gccccggcac ttcgcccaat 3960
192 agcagccagt cccttcccgc ttcagtgaca acgtcgagca cagctgcgca aggaacgccc 4020
193 gtcgtggcca gccacgatag ccgcgctgcc tcgtcttgca gttcattcag ggcaccggac 4080
194 aggtcggtct tgacaaaaag aaccgggcgc ccctgcgctg acagccggaa cacggcggca 4140
195 tcagagcagc cgattgtctg ttgtgcccag tcatagccga atagcctctc acccaagcg 4200
196 gccggagaac ctgcgtgcaa tccatcttgt tcaatcatgc gaaacgatcc tcatcctgtc 4260
197 tcttgatcag agcttgatcc cctgcgccat cag                                4293
200 <210> SEQ ID NO: 3
201 <211> LENGTH: 5753
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence:pMB1-CAT
207       plasmid expression vector
209 <400> SEQUENCE: 3
210 cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat 60
211 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg ccagtgaat 120
```

```
212 tgtaatacga ctcactatag ggcgaattgg gtactggcca cagagcttgg cccattgcat 180
213 acgttgtatc catatcataa tatgtacatt tatattggct catgtccaac attaccgcca 240
214 tgttgacatt gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat 300
215 agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg 360
216 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 420
217 gggactttcc attgacgtca atgggtggag tatttacggt aaactgccca cttggcagta 480
218 catcaagtgt atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc 540
219 gcctggcatt atgcccagta catgacctta tgggactttc ctacttggca gtacatctac 600
220 gtattagtca tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga 660
221 tagcggtttg actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg 720
222 ttttggcacc aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg 780
223 caaatgggcg gtaggcgtgt acggtgggag gtctatataa gcagagctcg tttagtgaac 840
224 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 900
225 cgatccagcc tgactctagc ctagctctga agttggtggt gaggccctgg gcaggttggt 960
226 atcaaggtta caagacaggt ttaaggagac caatagaaac tgggcatgtg gagacagaga 1020
227 agactcttgg gtttctgata ggcactgact ctctctgcct attggtctat tttcccaccc 1080
228 ttaggctgct ggtctgagcc taggagatct ctcgaggtcg acggtatcga taagcttgat 1140
229 atcgaattcg ggtggagacc cacgagccga ggcctcctgc agtgttctgc acagcaaacc 1200
230 gcacgctatg gctgacagcc gggatcccgc cagcgaccag atgcagcact ggaaggagca 1260
231 gcgggccgcg cagaaagctg atgtcctgac cactggagct ggtaacccag taggagacaa 1320
232 acttaatgtt attacagtag ggccccgtgg gccccttctt gttcaggatg tggttttcac 1380
233 tgatgaaatg gctcattttg accgagagag aattcctgag agagttgtgc atgctaaagg 1440
234 agcagggccc tttggctact ttgaggtcac acatgacatt accaaatact ccaaggcaaa 1500
235 ggtatttgag catattggaa agaagactcc catcgcagtt cggttctcca ctgttgctgg 1560
236 agaatcgggt tcagctgaca cagttcggga ccctcgtggg tttgcagtga aattttacac 1620
237 agaagatggt aactgggatc tcgttggaaa taacaccccc attttcttca tcagggatcc 1680
238 catattgttt ccatctttta tccacagcca aaagagaaat cctcagacac atctgaagga 1740
239 tccggacatg gtctgggact tctggagcct acgtcctgag tctctgcatc aggtttcttt 1800
240 cttgttcagt gatcggggga ttccagatgg acatcgccac atgaatggat atggatcaca 1860
241 tactttcaag ctggttaatg caaatgggga ggcagtttat tgcaaattcc attataagac 1920
242 tgaccagggc atcaaaaacc tttctgttga agatgcggcg agactttccc aggaagatcc 1980
243 tgactatggc atccgggatc tttttaacgc cattgccaca ggaaagtacc cctcctggac 2040
244 tttttacatc caggtcatga catttaatca ggcagaaact tttccattta atccattcga 2100
245 tctcaccaag gtttggcctc acaaggacta ccctctcatc ccagttggta aactggtctt 2160
246 aaaccggaat ccagttaatt actttgctga ggttgaacag atagccttcg acccaagcaa 2220
247 catgccacct ggcattgagg ccagtcctga caaaatgctt cagggccgcc tttttgccta 2280
248 tcctgacact caccgccatc gcctgggacc caattatctt catatacctg tgaactgtcc 2340
249 ctaccgtgct cgagtggcca actaccagcg tgatggcccg atgtgcatgc aggacaatca 2400
250 gggtggtgct ccaaattact accccaacag ctttggtgct ccggaacaac agccttctgc 2460
251 cctggagcac agcatccaat attctggaga agtgcggaga ttcaacactg ccaatgatga 2520
252 taacgttact caggtgcggg cattctatgt gaacgtgctg aatgaggaac agaggaaacg 2580
253 tctgtgtgag aacattgccg gccacctgaa ggatgcacaa attttcatcc agaagaaagc 2640
254 ggtcaagaac ttcactgagg tccaccctga ctacgggagc cacatccagg ctcttctgga 2700
255 caagtacaat gctgagaagc ctaagaatgc gattcacacc tttgtgcagt ccggatctca 2760
256 cttggcggca agggagaagg caaatctgtg aggccggggc cctgcacctg tgcagcaag 2820
257 cttagcgttc atccgtgtaa cccgctcatc actggatgaa gattctcctg tgctagatgt 2880
258 gcaaatgcaa gctagtggct tcaaaataga gaatcccact ttctatagca gattgtgtaa 2940
259 caattttaat gctatttccc caggggaaaa tgaaggttag gatttaacag tcatttaaaa 3000
260 aaaaaatttg ttttgacgga tgattggatt attcatttaa aatgattaga aggcaagttt 3060
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 10/22/2004
PATENT APPLICATION: US/10/811,028A   TIME: 10:45:38

Input Set : A:\-24-1.app
Output Set: N:\CRF4\10222004\J811028A.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1979
Seq#:2; N Pos. 1940

VERIFICATION SUMMARY   DATE: 10/22/2004
PATENT APPLICATION: **US/10/811,028A**   TIME: 10:45:38

Input Set : **A:\-24-1.app**
Output Set: **N:\CRF4\10222004\J811028A.raw**

L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1920
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1920